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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------|------------------|
| 09/955,162 | 09/19/2001 | Fumio Koyama | 110659 | 8324 |
| 25944 | 7590 | 11/19/2004 | EXAMINER | |
| OLIFF & BERRIDGE, PLC P.O. BOX 19928 ALEXANDRIA, VA 22320 | | | CRUZ, MAGDA | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2851 | |

DATE MAILED: 11/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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TECHNOLOGY CENTER 2800

Office Action Summary

Application No.

09/955,162

Applicant(s)

KOYAMA, FUMIO

Examiner

Magda Cruz

Art Unit

2851

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 May 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 February 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 03/01/2002.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 03/01/2002 has being considered by the examiner.

Specification

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being obvious over Naito et al. in view of Pinhanez.

The applied reference (Naito et al., US Patent Number 6,704,008 B2) has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art only under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 103(a) might be overcome by: (1) a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not an invention "by another"; (2) a showing of a date of invention for the claimed subject matter of the application which corresponds to subject matter disclosed but not claimed in the reference, prior to the effective U.S. filing date of the reference under 37 CFR 1.131; or (3) an oath or declaration under 37 CFR 1.130 stating that the application and reference are currently owned by the same party and that the inventor named in the application is the prior inventor under 35 U.S.C. 104, together with a terminal disclaimer in accordance with 37 CFR 1.321(c). For applications filed on or after November 29, 1999, this rejection might also be overcome by showing that the subject matter of the reference and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person. See MPEP § 706.02(I)(1) and § 706.02(I)(2).

Naito et al. (US Patent Number 6,704,008 B2) discloses a projector (10) and a method of correcting uneven color of a projector (column 65, line 65 through column 2, line 16) for use with a screen (SC), comprising a projection lens (190), and an uneven color correction section (130) that performs uneven color correction on the image signal (column 1, lines 58-61); the uneven color correction section (130) including a memory in which uneven color correction data is stored (column 6, lines 44-47); the uneven color

correction section including a control circuit (160) and an uneven color correction circuit (130), the memory (170) storing and holding first and second uneven color correction data (i.e. input-output characteristic data), and the uneven color correction circuit (130) performing uneven color correction on the image signal using the calculated uneven color correction data (column 6, lines 48-62); a light valve (150) that modulates at least one of transmitted light and reflected light according to the image signal (column 3, lines 43-50).

Naito et al. teaches the salient features of the present invention, except a zoom function that forms a projected image, corresponding to an image signal, on the screen; a zoom state detection section that detects a zoom state of the projection lens; and the control circuit calculating the uneven color correction data in a zoom state between the first and second zoom states based on the first and second uneven color correction data. However, Naito et al. discloses a control circuit calculating the uneven color correction data (column 3, lines 33-42).

Pinhanez (US Patent Number 6,431,711 B1) discloses a zoom function (255) that forms a projected image (221), corresponding to an image signal, on the screen (222); a zoom state detection section (255) that detects a zoom state of the projection lens (i.e. projection lens from the video projector 211); and the control circuit (260) calculating the uneven color correction data in a zoom state between the first and second zoom states (i.e. parameters) based on the first and second uneven color correction data (column 4, lines 40-54).

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to utilize the zoom function and control circuit disclosed by Pinhanez in combination with Naito et al.'s invention, for the purpose of displaying undistorted images (column 3, lines 21-22).

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Takeuchi (US Patent Number 6,450,647 B1) discloses an image processing device and image processing method.

Koyama (US Patent Number 6,756,991 B2) teaches an image display apparatus and color signal adjustment device used therein.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Magda Cruz whose telephone number is (571) 272-2114. The examiner can normally be reached on Monday through Thursday 8:00-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



JUDY NGUYEN
PRIMARY EXAMINER

Magda Cruz
Patent Examiner
November 10, 2004

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|-----------------------------------|---------------------------------------|---|-------------|
| Notice of References Cited | Application/Control No. 09/955,162 | Applicant(s)/Patent Under Reexamination KOYAMA, FUMIO | |
| | Examiner Magda Cruz | Art Unit 2851 | Page 1 of 1 |

U.S. PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|---|--|-----------------|----------------------|----------------|
| | A | US-6,704,008 | 03-2004 | Naito et al. | 345/207 |
| | B | US-6,431,711 | 08-2002 | Pinhanez, Claudio S. | 353/69 |
| | C | US-6,450,647 | 09-2002 | Takeuchi, Kesatoshi | 353/69 |
| | D | US-6,756,991 | 06-2004 | Koyama, Fumio | 345/602 |
| | E | US- | | | |
| | F | US- | | | |
| | G | US- | | | |
| | H | US- | | | |
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| | M | US- | | | |

FOREIGN PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Country | Name | Classification |
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NON-PATENT DOCUMENTS

| * | | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
|---|---|---|
| | U | |
| | V | |
| | W | |
| | X | |

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Sheet 1 of 1Form PTO-1449
(REV. 8-83)US Dept. of Commerce
PATENT & TRADEMARK OFFICEATTY DOCKET NO.
110659APPLICATION NO.
09/955,162

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)
Fumio KOYAMAFILING DATE
September 19, 2001

GROUP

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS |
|---------------------|-----------------|------|------|-------|--------------|
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FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS |
|-------------------------------------|----------|---------|-------|--------------|
| JP-A-4-240979 (w/English abstract) | 08/28/92 | Japan | — | — |
| JP-A-10-171045 (w/English abstract) | 06/26/98 | Japan | — | — |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER

Magda Cruz

DATE CONSIDERED

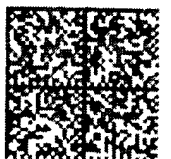
11/4/2004

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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